



US009409758B2

(12) **United States Patent**  
**McHale et al.**

(10) **Patent No.:** **US 9,409,758 B2**  
(45) **Date of Patent:** **Aug. 9, 2016**

(54) **FAUCET-INTEGRATED CARBONATION SYSTEMS AND METHODS**

USPC ..... 261/30, 64.1, 66, 119.1, 121.1, DIG. 7;  
99/323.1

See application file for complete search history.

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(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 190 days.

(21) Appl. No.: **14/328,377**

(22) Filed: **Jul. 10, 2014**

(65) **Prior Publication Data**

US 2015/0037464 A1 Feb. 5, 2015

**Related U.S. Application Data**

(60) Provisional application No. 61/844,638, filed on Jul. 10, 2013.

(51) **Int. Cl.**

**B01F 3/04** (2006.01)  
**A23L 2/00** (2006.01)  
**B67D 1/00** (2006.01)  
**A23L 2/54** (2006.01)

(52) **U.S. Cl.**

CPC ..... **B67D 1/0059** (2013.01); **A23L 2/00** (2013.01); **A23L 2/54** (2013.01); **B01F 3/04099** (2013.01); **B01F 3/04439** (2013.01); **B01F 3/04808** (2013.01); **A23V 2002/00** (2013.01); **B01F 2003/049** (2013.01);

(Continued)

(58) **Field of Classification Search**

CPC .. B67D 1/0057; B67D 1/0058; B67D 1/0071;  
B01F 3/04; B01F 3/04099; B01F 3/04787;  
B01F 3/04808

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(57) **ABSTRACT**

Systems and methods are disclosed for providing carbonated water through a typical kitchen faucet. The faucet-integrated carbonation system can include a carbonated water reservoir coupled to a residential or commercial cold water supply line as well as a CO<sub>2</sub> tank, all of which can be mounted under a kitchen countertop or the like. The water held in the reservoir can be carbonated using the CO<sub>2</sub> when a user activates a CO<sub>2</sub> activation mechanism. The system can further include a carbonated water on/off valve for dispensing carbonated water from the carbonated water reservoir via a waterway with an outlet disposed at the end of the faucet.

**20 Claims, 14 Drawing Sheets**

